Murasan Surface 520 White

Film-forming surface protection for white concrete goods

Key features

- white cement concrete
- film-forming
- silky smooth surface
- minimized water absorption
- reduced efflorescence
- increased frost protection
- high stain resistance
- easy cleaning
- no yellowing

Areas of application

- semi-dry concrete goods precast (paving blocks, pavers, palisades, curbs etc.)
- concrete made out of white cement
- both wet side and dry side of production

Application notes

Murasan Surface 520 White is a high-end surface protection system for concrete goods made out of white cement. It creates a transparent film that guarantees long lasting brilliant colors. Murasan Surface 520 White does not yellow over time and any stain can be easily washed off the surface.

Liquid water can both directly and indirectly cause a variety of mechanical and optical problems to the concrete surface. When freezing, the newly forming ice expands in volume by roughly 9%, which translates to up to 200 MPa of pressure inside the concrete's structure. De-icing salts, which are meant to mitigate the frost damages are a source of harm on their own. When in the liquid state, water is a perfect medium for transport of water-soluble aggressive chemicals into the concrete's microstructure. Some common concrete degrading chemical reactions require the presence of liquid water. The same applies to biological degradation caused by moss, algae and plant's roots. When environmental humidity decreases and water evaporates, it leaves behind all soluble minerals and salts in the form of efflorescence.

These negative phenomena can be easily avoided by using a surface protection system like Murasan Surface 520 White. When applied, it penetrates into the substrate, effectively sealing any open pores and capillaries. At the same time, Murasan Surface 520 White creates a hydrophobic film on the surface, protecting it from all pollutants (dirt, food and drinks, oils etc.) and making it very easy to clean. Murasan Surface 520 White is resistant to aggressive chemicals, abrasion and UV radiation. It does not yellow over time.

For the best results, apply Murasan Surface 520 White using a suitable spraying system. Before application, make sure the surface is free of dirt, dust, oils and release and curing agents.

Technical properties of Murasan Surface 520 White			
Characteristic	**Unit**	**Value**	**Comments**
Density	kg/dm³	approx. 1.05	± 0.02 kg/dm³
Recommended consumption	g/m²	100 – 120	depends on the surface structure

Product characteristics	
Type of product	Surface protection
Name of product	Murasan Surface 520 White
Color	White
State	Liquid
Storage	Store in sealed original packaging in dry environment. Protect from frost and direct sunlight. Shelf life 12 months when storage conditions are met.
Form of delivery	30 l can 200 l barrel 1000 l container

Issue 02/19. This data sheet has been technically revised. Previous versions are now duly superseded and may no longer be applied. Any further technically revised edition supersedes this version, rendering it null and void.

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